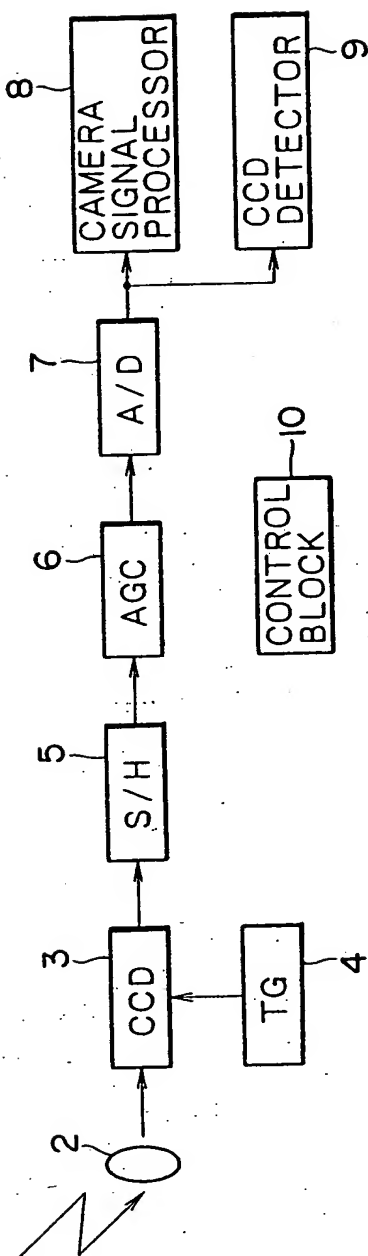


FIG. 1

1



CONSTITUTION OF CAMERA APPARATUS

FIG. 2A

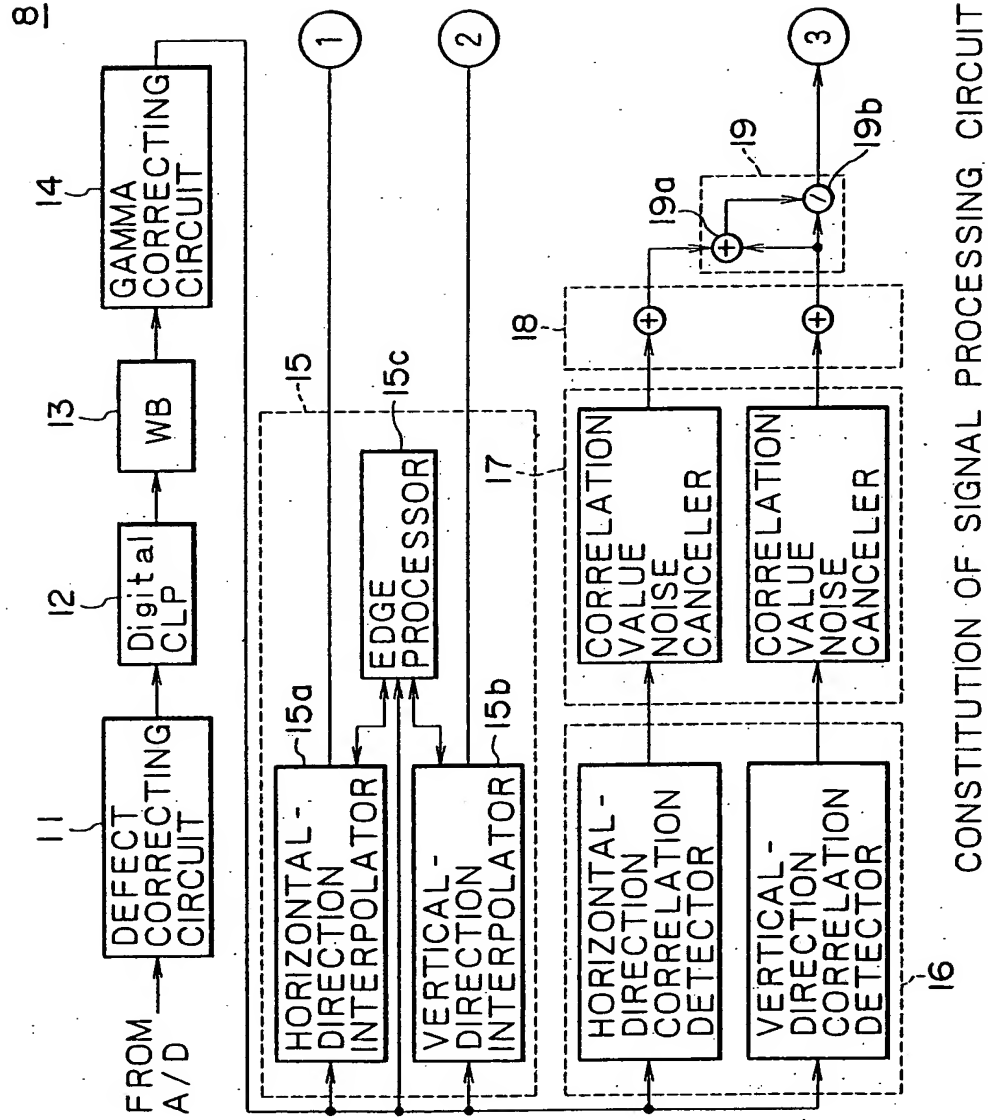


FIG. 2B

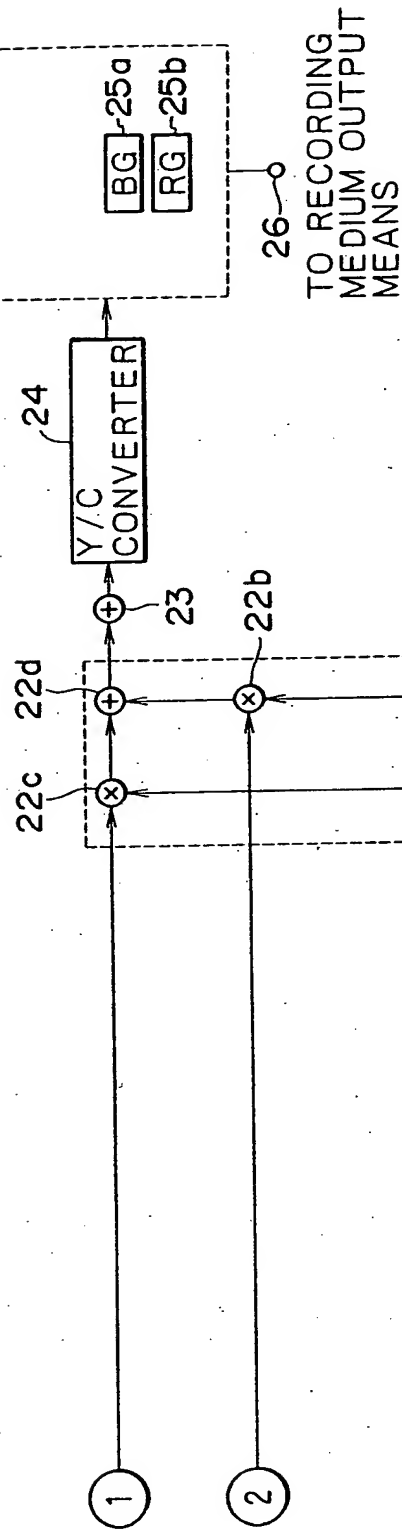


FIG. 2

FIG. 2A FIG. 2B

FIG. 3

0h	G 00	R 01	G 02	R 03	G 04	
1h	B 10	G 11	B 12	G 13	B 14	
2h	G 20	R 21	G 22	R 23	G 24	
3h	B 30	G 31	B 32	G 33	B 34	
4h	G 40	R 41	G 42	R 43	G 44	

ARRANGEMENT OF PIXEL DATA

FIG. 4

From 2hDL 30

31a 31b 31c 31d

15a

32a 32b 32c 32d

$\gg 1(1/2)$

$\gg 3(1/8)$

$\ll 2$

$\ll 1$

33a 33b 33c 33d

34a 34b

34

LINE B/XR

DOT R/XB

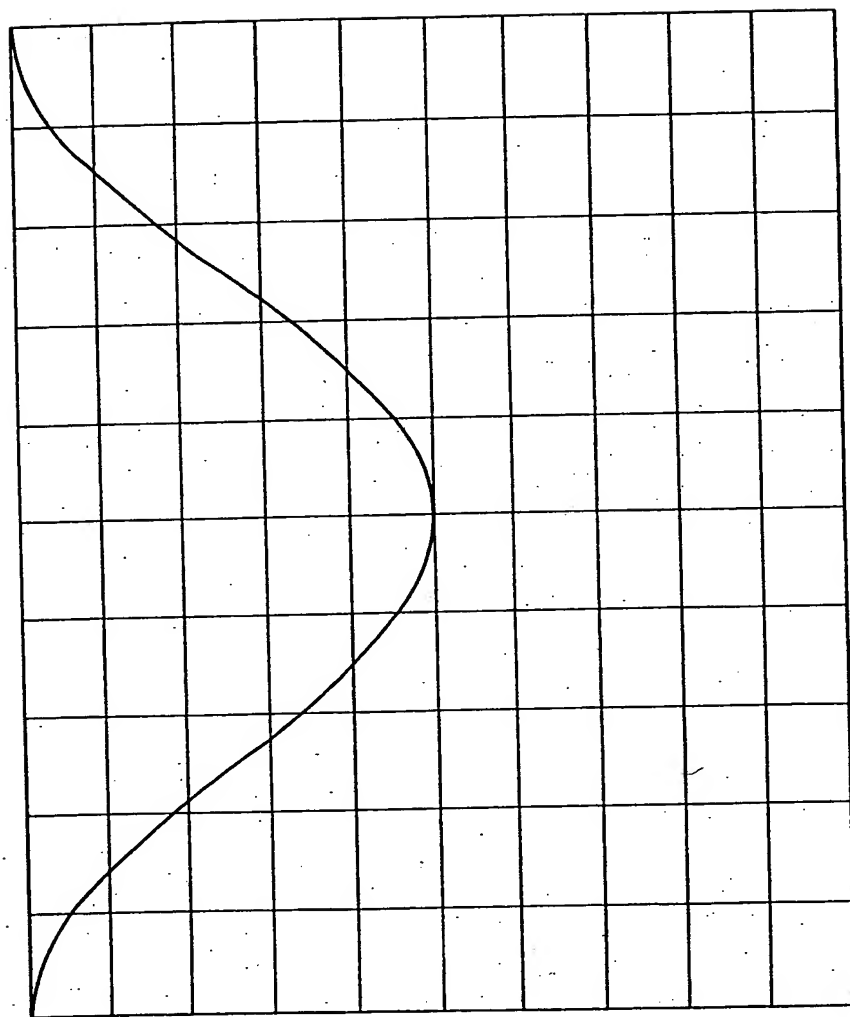
CONSTITUTION OF HORIZONTAL-DIRECTION INTERPOLATOR

FIG. 5

G 00		G 02		G 04	
	G 11		G 13		
G 20		G 22		G 24	
	G 31		G 33		
G 40		G 42		G 44	

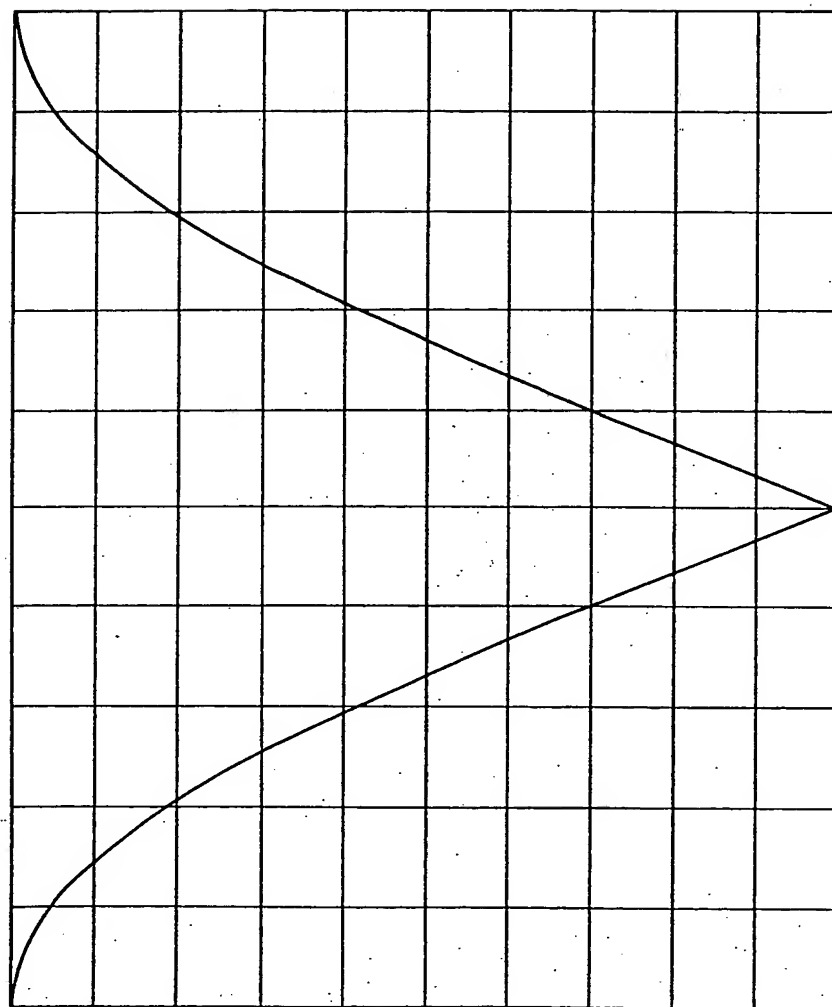
ARRANGEMENT OF PIXEL DATA

FIG. 6



FREQUENCY CHARACTERISTIC OF LPF

FIG. 7



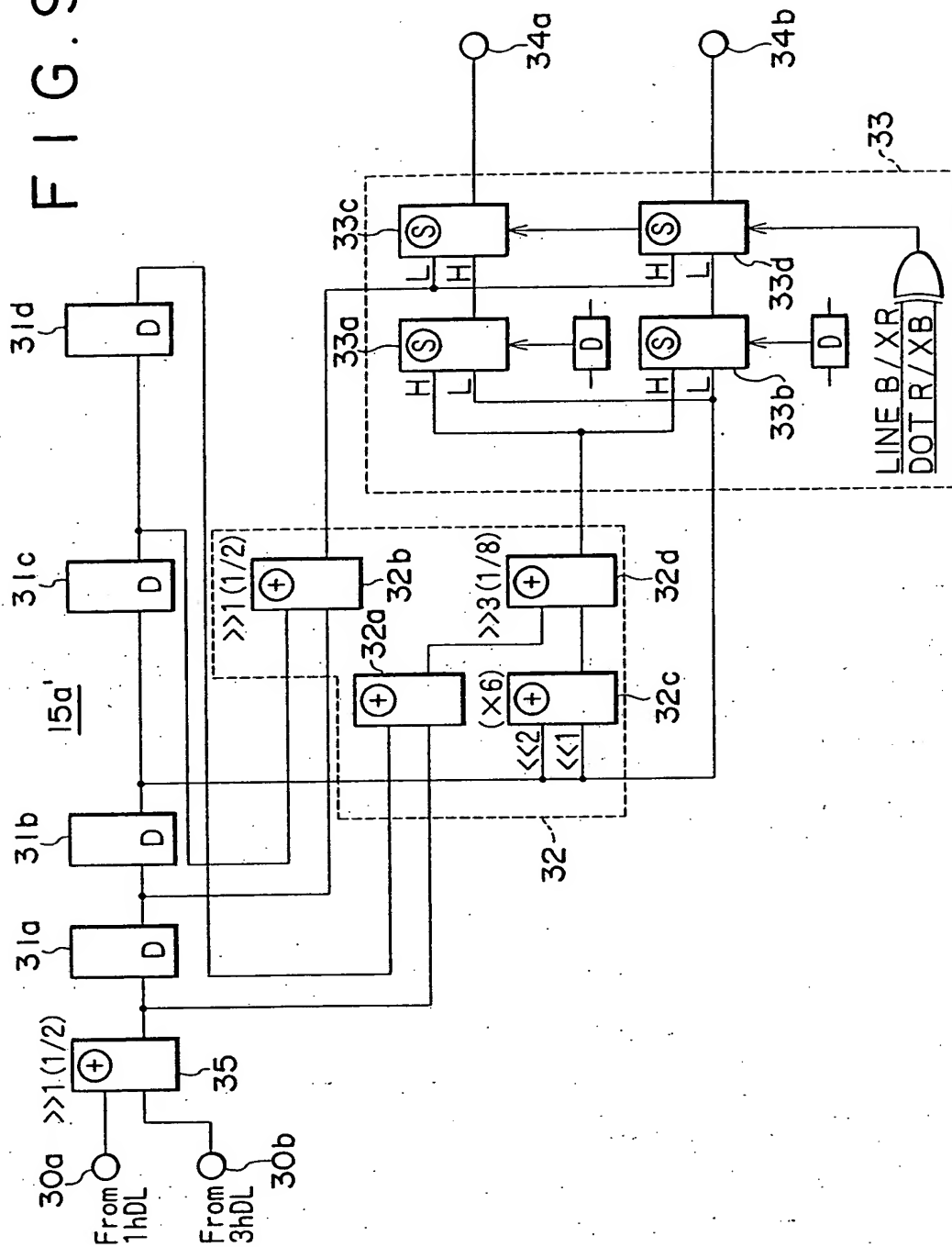
FREQUENCY CHARACTERISTIC OF LPF

FIG. 8

G 00'	G 01'	G 02'	G 03'	G 04'	
G 10'	G 11'	G 12'	G 13'	G 14'	
G 20'	G 21'	G 22'	G 23'	G 24'	
G 30'	G 31'	G 32'	G 33'	G 34'	
G 40'	G 41'	G 42'	G 43'	G 44'	

INTERPOLATED PIXEL DATA

FIG. 9



CONSTITUTION OF HORIZONTAL-DIRECTION INTERPOLATOR

FIG. 10

0h					
1h	B 10		B 12		B 14
2h					
3h	B 30		B 32		B 34
4h					

ARRANGEMENT OF PIXEL DATA

FIG. 11

B 10		B 12		B 14	
B' 20		B' 22		B' 24	
B 30		B 32		B 34	

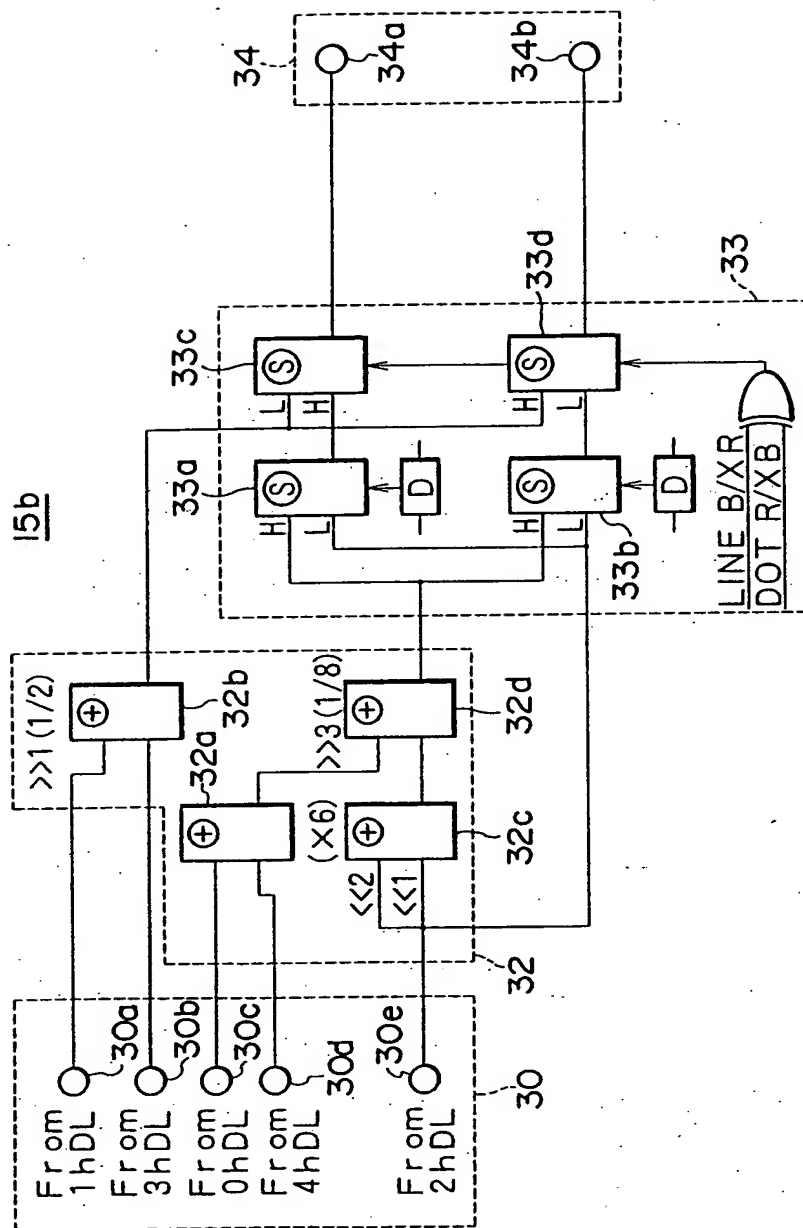
ARRANGEMENT OF PIXEL DATA

FIG. 12

B 00'	B 01'	B 02'	B 03'	B 04'	
B 10'	B 11'	B 12'	B 13'	B 14'	
B 20'	B 21'	B 22'	B 23'	B 24'	
B 30'	B 31'	B 32'	B 33'	B 34'	

INTERPOLATED PIXEL DATA

FIG. 13



CONSTITUTION OF VERTICAL-DIRECTION INTERPOLATOR

FIG. 14

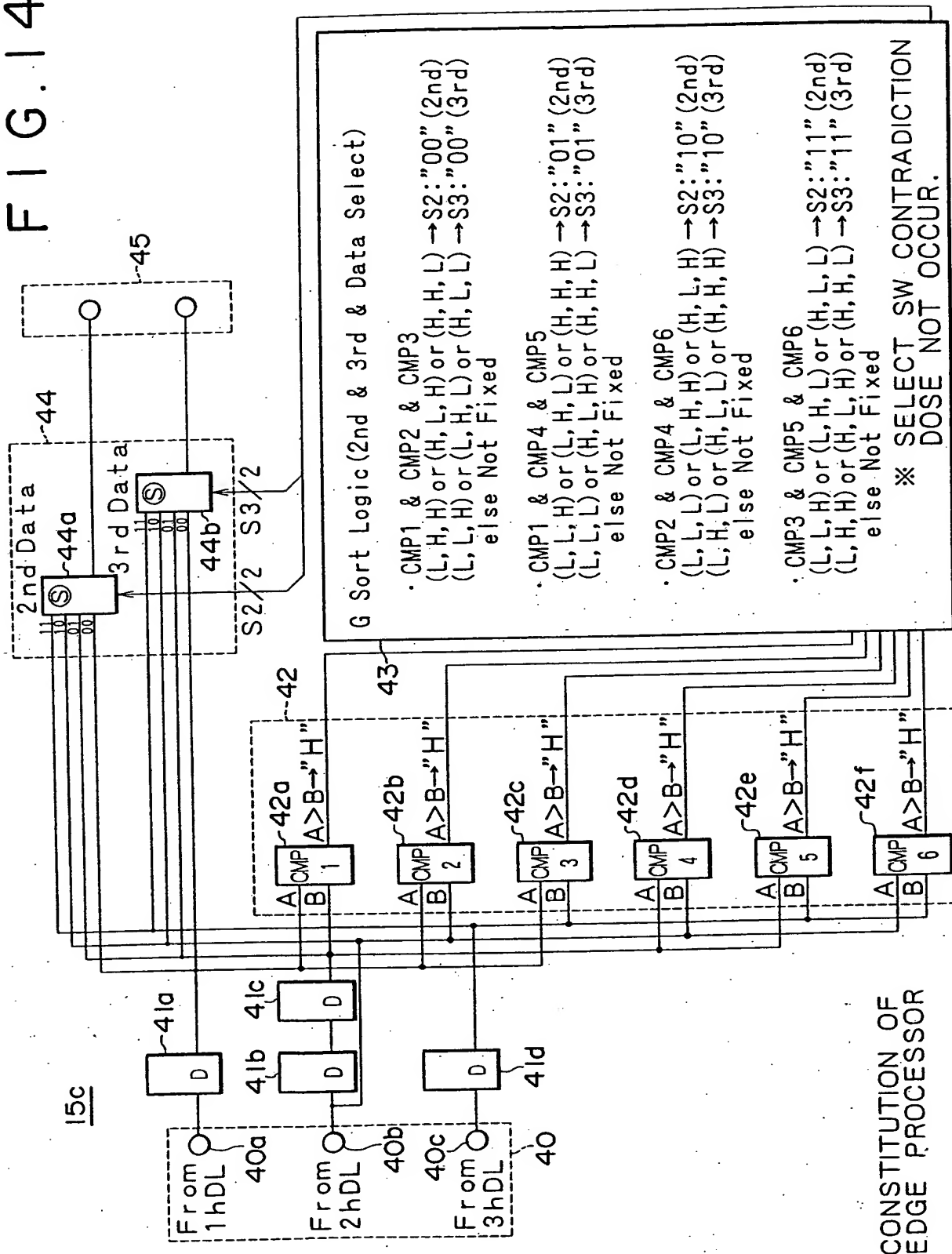


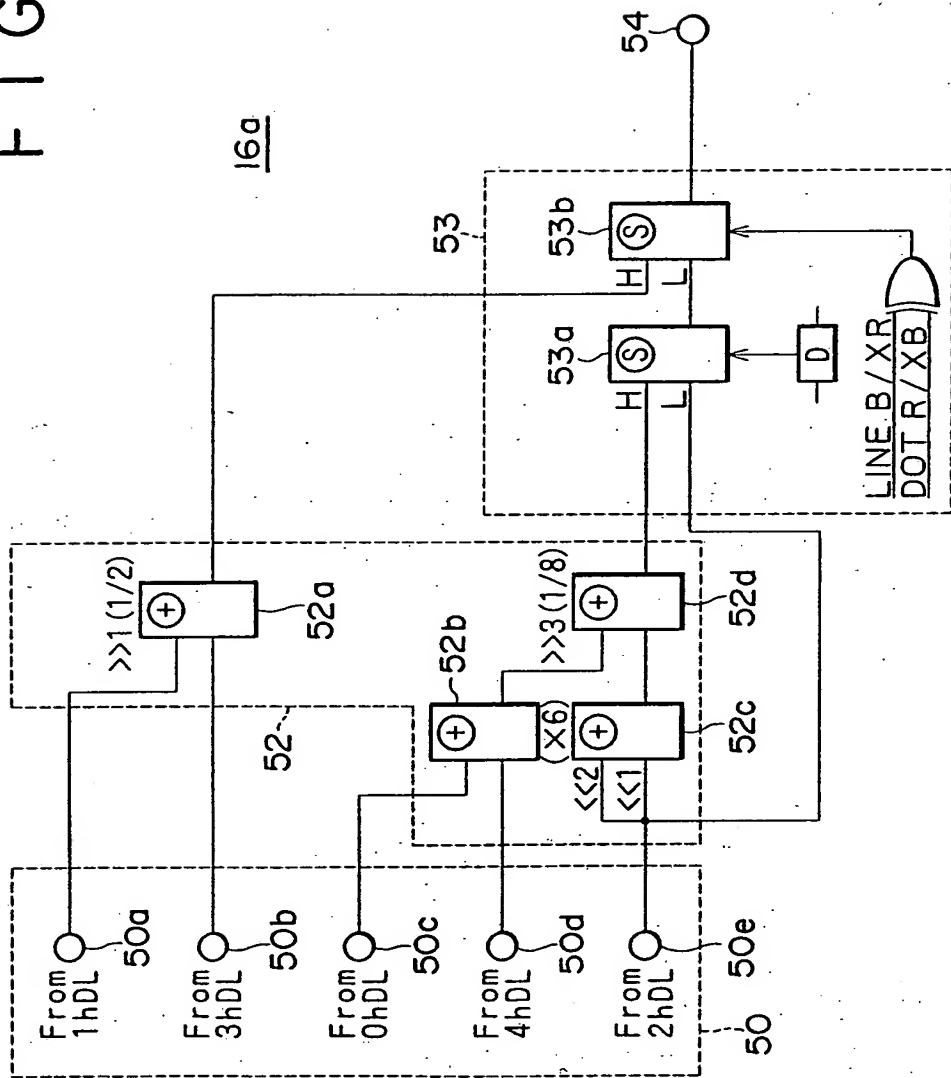
Diagram illustrating a 3x3 grid structure. The grid is composed of nine cells. The central cell is shaded with diagonal lines. The grid is labeled with '100' and '0' values. A horizontal line separates the grid from the labels 'WHITE' and 'BLACK'. The grid is labeled with 'G1', 'G2', 'G3', and 'G4' at the corners.

100	100	100
100	100	100
0	0	0

WHITE
BLACK

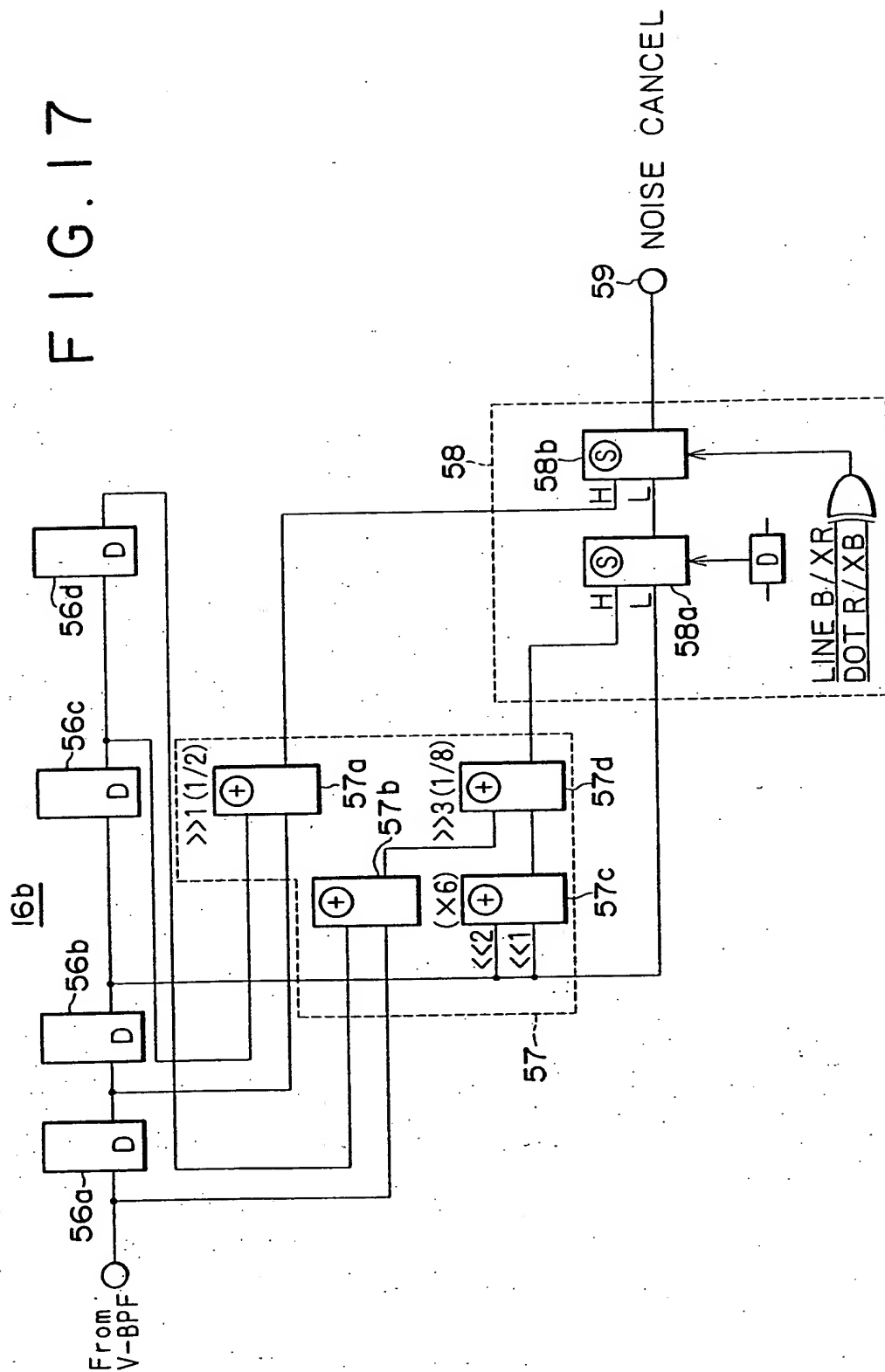
EXAMPLE OF EDGE PROCESSING

FIG. 16



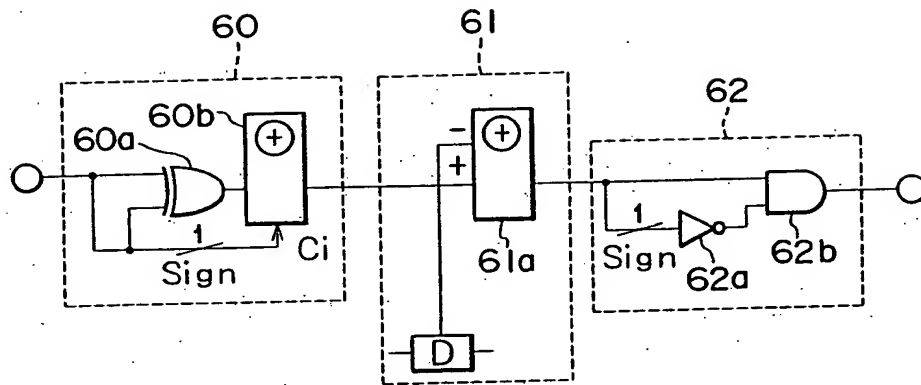
CONSTITUTION OF HORIZONTAL-DIRECTION CORRELATION DETECTOR

FIG. 17



CONSTITUTION OF VERTICAL-DIRECTION CORRELATION DETECTOR

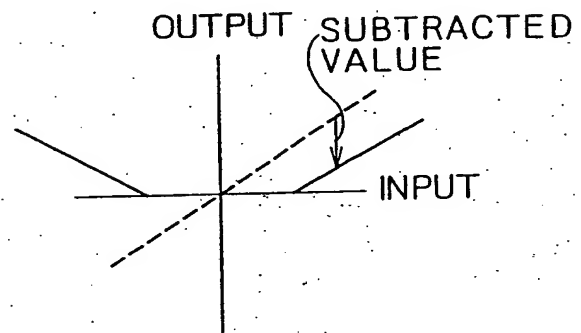
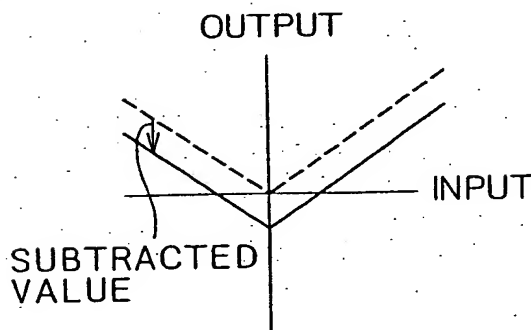
FIG. 18



CONSTITUTION OF NOISE CANCELER

FIG. 19A

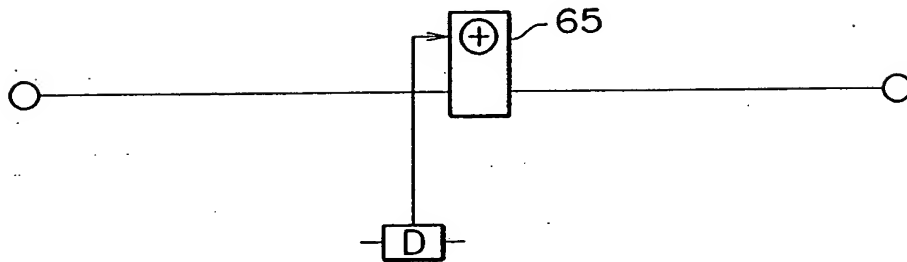
FIG. 19B



PROCESSING OF CORRELATION VALUE

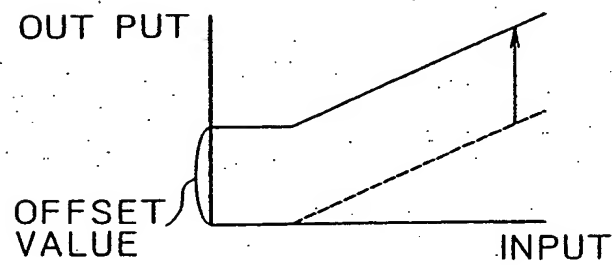
FIG. 20

18a, 18b



CONSTITUTION OF OFFSET CIRCUIT

FIG. 21



INPUT/OUTPUT CHARACTERISTIC

FIG. 22

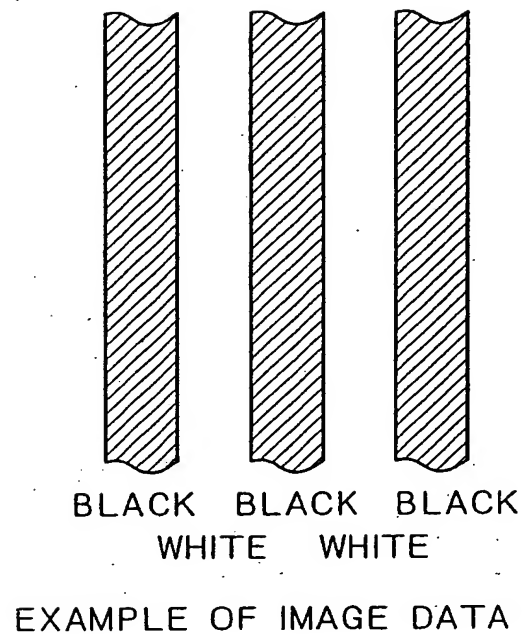
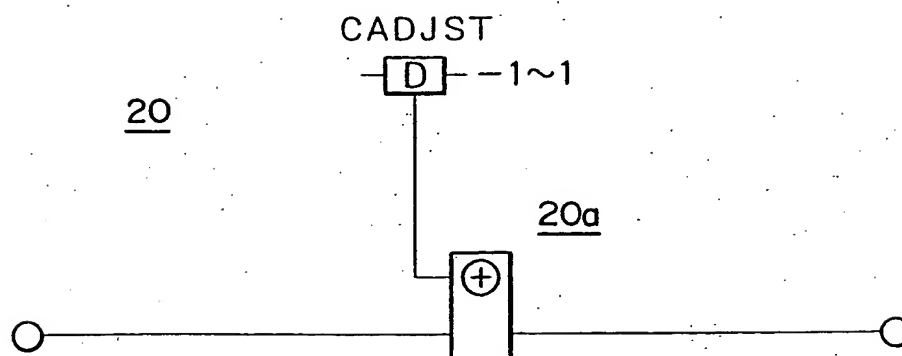


FIG. 23



CONSTITUTION OF BIAS CORRECTING CIRCUIT

FIG. 24

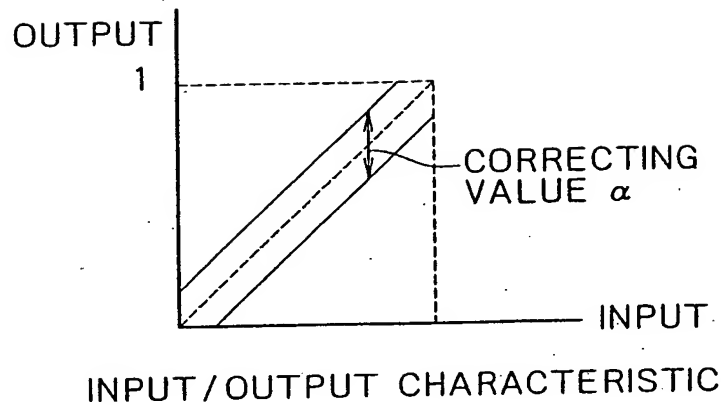
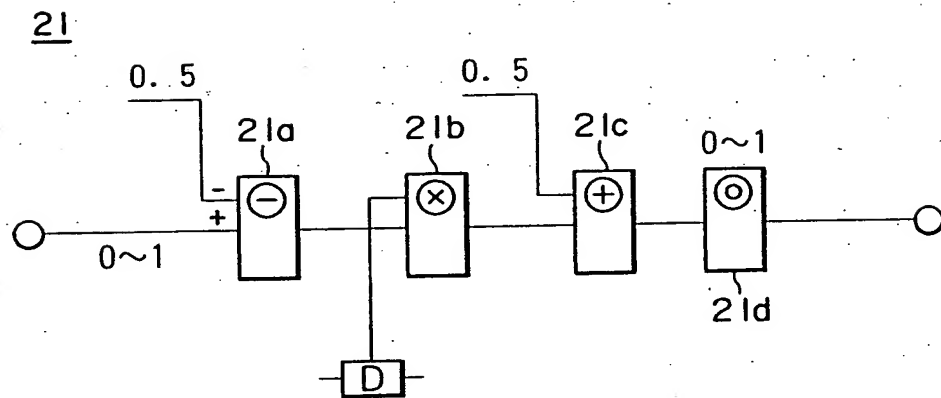


FIG. 25



CONSTITUTION OF EMPHASIS/DEEMPHASIS CIRCUIT

FIG. 26

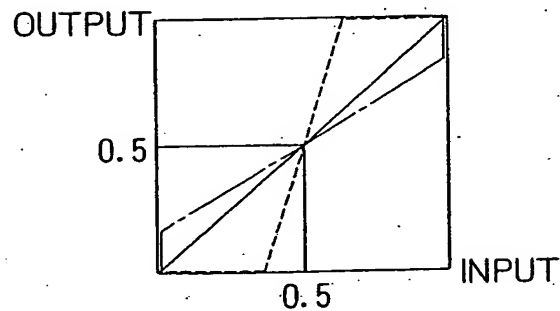
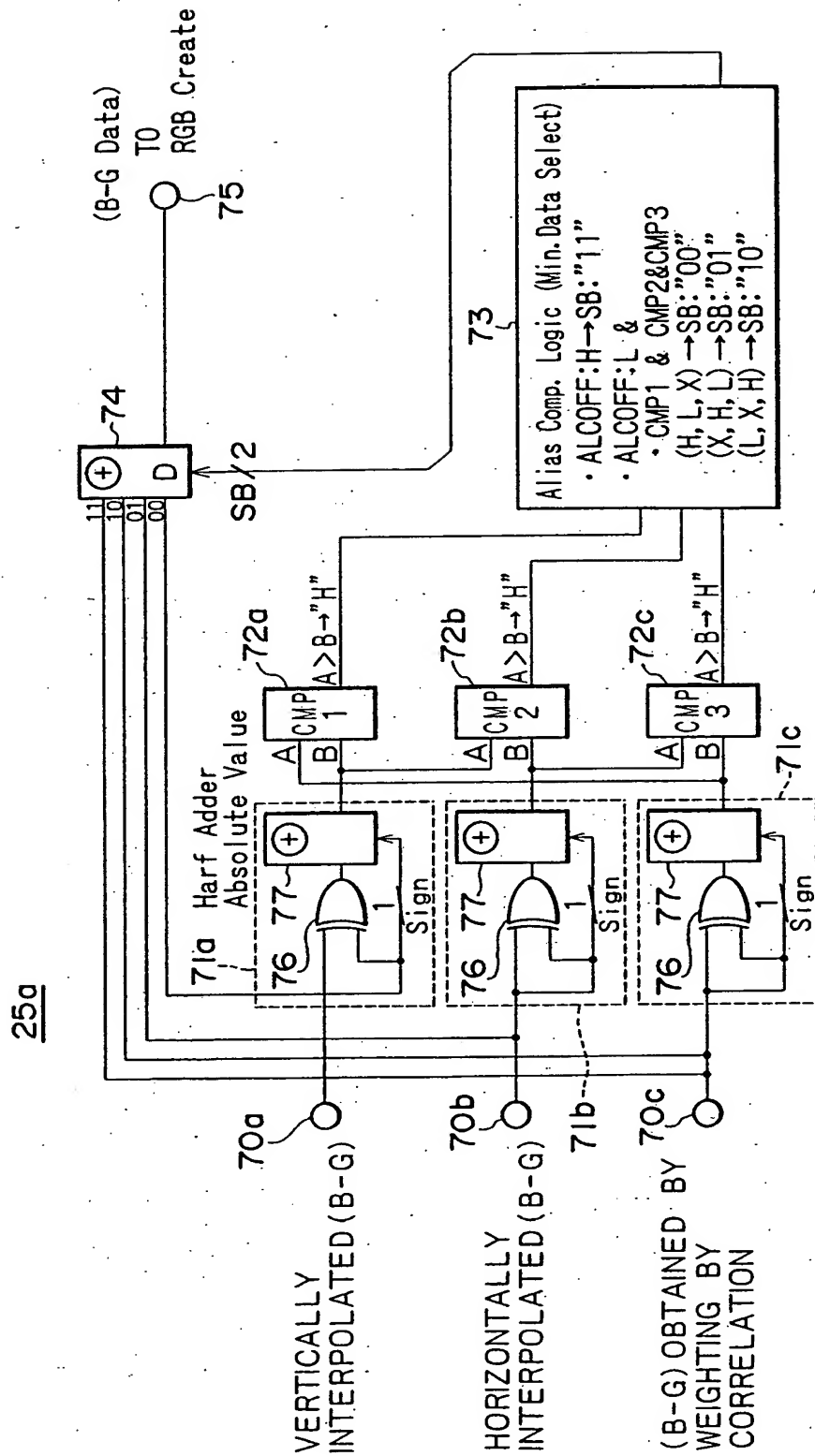


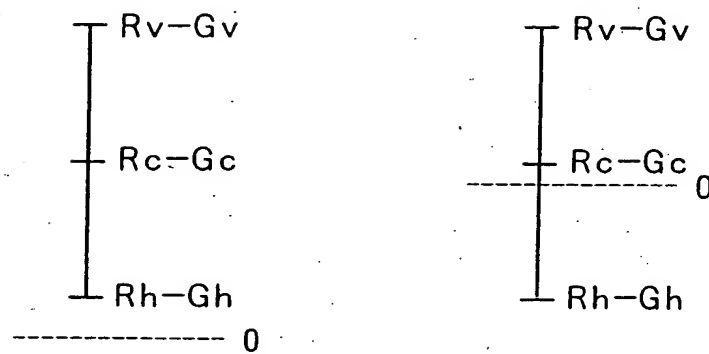
FIG. 27



CONSTITUTION OF COLOR-DIFFERENCE SIGNAL SUPPRESSER

FIG. 28A

FIG. 28B



EXAMPLE OF SELECTING MINIMUM
INTERPOLATED PIXEL DATA

FIG. 29A

FIG. 29B

G	R	
B	G	

G	Ye	
Cy	G	

ARRANGEMENT OF PIXEL DATA